

LPWAN Static Context Header Compression (SCHC) for ICMPv6 draft-lagos-lpwan-icmpv6-static-context-hc-01

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Draft changes

- Building SCHC rule for ICMPv6 (deleted)
- LoRa networks using ICMPv6 message (added)
- LoRa Gateway table (under construction)

- With Static Context Header Compression we:
 - Avoid Checksum (instead we trust on the packet CRC)
 - Use a compression table for RS, RA, NS, NA and echo packets

Future work

- LoRa Gateway nodes table
 - Specification for the list of LoRa Nodes which belong to the Gateway
- Redesign the strategy to reduce the number of packets sent on the LPWAN network.

draft-barthel-icmpv6-schc-00

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Progress since IETF100

- Prototyped Ping proxy on server side
 - Responds to internet client on behalf of device, if device seen in the last *nn* minutes
- Discussed with Diego on merging the 2 drafts
- We are interested in RFC4443, not RFC4861
- Work to be continued after this IETF meeting